WHAT IS CLAIMED

- 1. A method for improving the cohesive strength at elevated temperature of a die attach adhesive formulation of a liquid curable resin or a combination of curable resins, initiator, and filler, comprising adding to the adhesive formulation an aromatic bismaleimide resin powder that does not dissolve in the curable resin.
- 2. The method according to claim 1 in which the elevated temperature is 260°C or less.
- 3. The method according to claim 1 in which the bismaleimide is present in an amount from greater than 3 weight percent to about 30 weight percent.
- 4. The method according to claim 1 in which the bismaleimide has the structure

in which X is an aromatic group.

5. The method according to claim 4 in which X is selected from the group consisting of:

- 6. The method according to claim 1 in which the curable resin is a maleimide resin, a cyanate ester resin, an acrylate resin, or a combination of those resins.
- 7. The method according to claim 6 in which the maleimide resin is selected from the group consisting of

$$\bigcap_{O-(C_{36})\cdot O} \bigcap_{O-(C_{36})\cdot O} \bigcap_{O-(C_{3$$

represents a linear or branched chain (with or without cyclic moieties) of 36 carbon atoms;

8. The method according to claim 6 in which the acrylate resin is selected from the group consisting of isobornyl acrylate, isobornyl methacrylate, lauryl acrylate, lauryl methacrylate, poly(butadiene) with acrylate functionality and poly(butadiene) with methacrylate functionality.